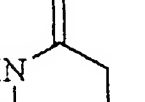


## CLAIMS



(I)

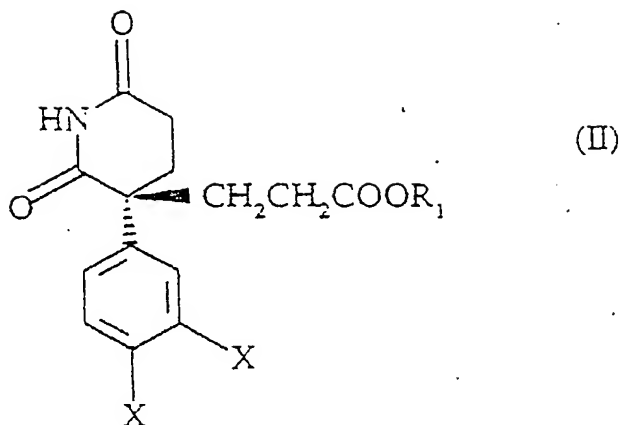
- X represents a halogen,

- R<sub>1</sub> represents a linear C<sub>1</sub>-C<sub>4</sub> alkyl.

2. Compound according to Claim 1 of formula (I), in which X represents a chlorine atom or a fluorine atom.

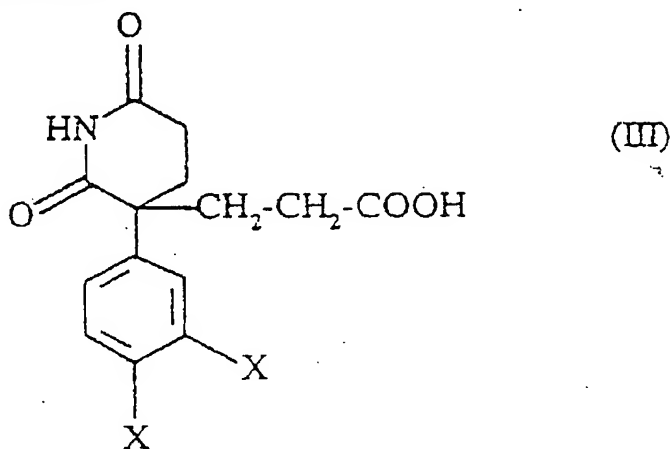
3. Compound according to Claim 1 of formula (I), in which  $X = Cl$  and  $R_1 = CH_3$ .

4. Compound according to Claim 1 of S  
configuration corresponding to the formula:



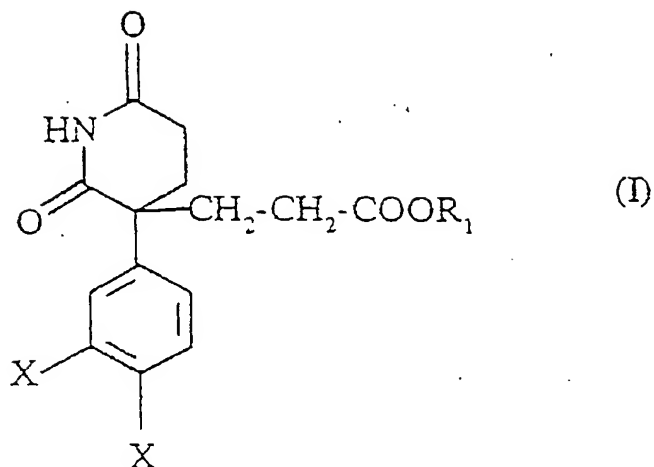
in which  $R_1$  and  $X$  are as defined for (I) in Claim 1.

5. Process for the preparation of a compound according to Claim 1, characterized in that an acid of formula:



in which  $X$  is as defined for (I) in Claim 1, is esterified.

6. Process for the preparation of a compound according to Claim 4, characterized in that an enantioselective enzymatic hydrolysis of a compound of formula:

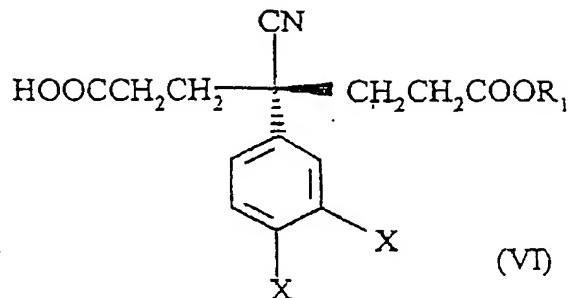


in which X represents a halogen and  $R_1$  represents a linear  $C_1$ - $C_4$  alkyl,  
is carried out.

5                    7. Process according to Claim 6,  
characterized in that use is made of an enzyme chosen  
from lipases, esterases and proteases.

8. Process according to Claim 7,  
characterized in that use is made of *Candida*  
10 *cylindracea* or *Candida rugosa* lipase or esterase,  
separately or as a mixture.

9. Process for the preparation of a  
compound according to Claim 4, characterized in that it  
15 consists in carrying out a cyclization of the compound  
of formula:



in which  $R_1$  and  $X$  are as defined for (I) in Claim 1.

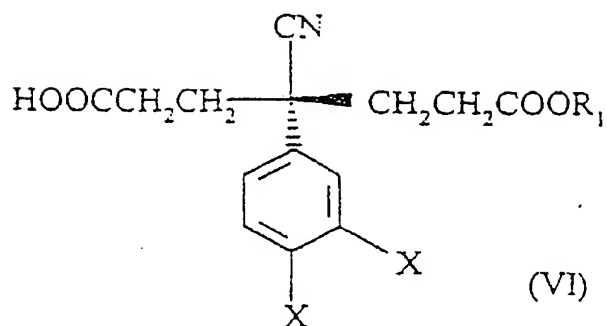
10. Process according to Claim 9,  
characterized in that the cyclization is carried out  
5 either in a molten medium between 170°C and 250°C or in  
the presence of a catalyst between 20°C and 130°C.

11. Process according to Claim 10,  
characterized in that the cyclization is carried out in  
a molten medium at a temperature in the region of  
10 200°C.

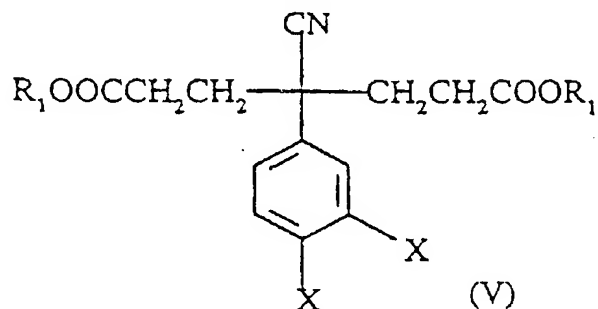
12. Process according to Claim 10,  
characterized in that the cyclization is carried out in  
the presence of an acid anhydride or of an acid, or of  
a mixture of an acid anhydride and of an acid.

13. Process according to Claim 12,  
characterized in that the cyclization is carried out in  
the presence of methanesulfonic anhydride and of  
methanesulfonic acid or in the presence of triflic  
anhydride and of triflic acid.

14. Process for the preparation of a  
compound of formula:



in which  $R_1$  and X are as defined for (I) in Claim 1, characterized in that it consists in treating, with an enzyme, a compound of formula:

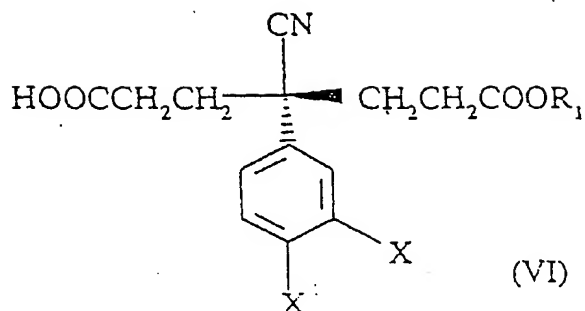


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15. Process according to Claim 14, characterized in that use is made of an enzyme chosen from lipases, esterases and proteases.

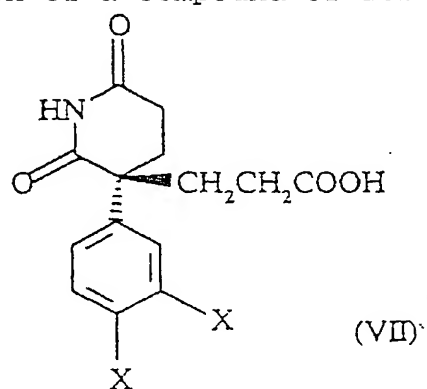
16. Process according to Claim 15,  
 10 characterized in that to use is made of *Candida cylindracea* or *Candida rugosa* lipase or esterase, separately or as a mixture.

17. Compound of formula:



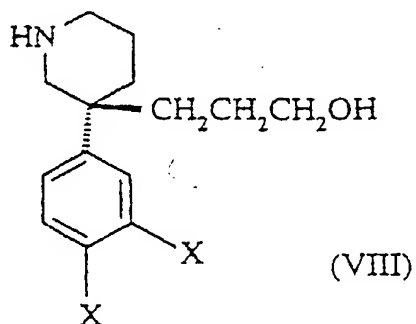
in which R<sub>1</sub> and X are as defined for (I) in Claim 1.

18. Use of a compound according to Claim 4:  
in the preparation of a compound of formula:



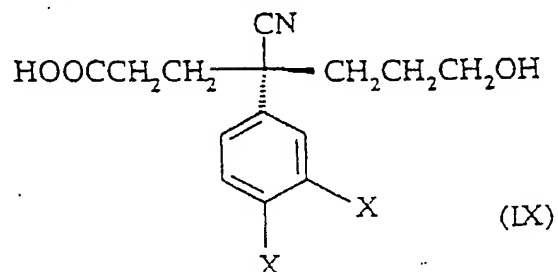
5 , in which X represents a halogen, by hydrolysis.

19. Use of a compound according to Claim 4:  
in the preparation of a compound of formula:



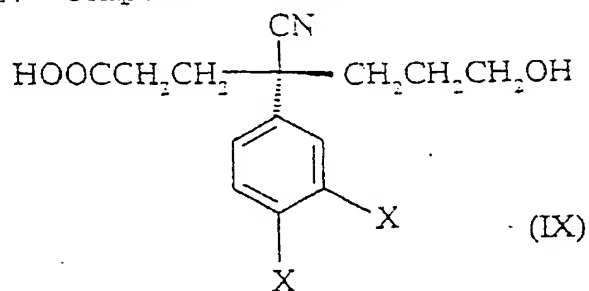
10 in which X represents a halogen, by reduction in the  
presence of a reducing agent.

20. Use of a compound according to Claim 17  
in the preparation of a compound of formula:



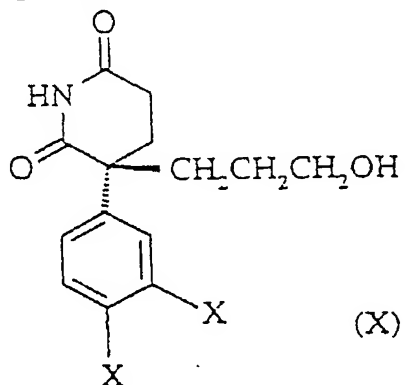
in which X represents a halogen, by reduction in the  
5 presence of an alkaline hydride.

21. Compound of formula:



in which X represents a halogen.

22. Use of a compound according to Claim 21  
10 in preparing a compound of formula:



in which X represents a halogen, by cyclization.